



STMicroelectronics® ST25TA02KB RFID Card



SKU:	RS-ST02KB-CR80
Chip Type:	STMicroelectronics® ST25TA02KB
Frequency:	HF 13.56 MHz
Protocol:	ISO/IEC 14443-A, NFC Forum Type 4
EEPROM:	256 bytes
UID Memory:	7 byte
Industry:	Events, Healthcare, Transportation, Business
Applications:	Access Control, NFC, ETC Toll Payment, Vehicle Tracking

The STMicroelectronics® ST25TA02KB CR80 RFID Card is a high-quality NFC and RFID solution built on the ISO/IEC 14443-A standard, featuring the ST25TA02KB chip from STMicroelectronics®. This card offers 2-Kbit of EEPROM memory, enabling efficient data storage and fast contactless communication with NFC-enabled devices. As an NFC Forum Type 4, it ensures seamless compatibility with a wide range of smartphones, readers, and terminals, making it ideal for authentication, marketing, and asset management applications.

Designed in the CR80 credit-card format, the ST25TA02KB RFID card combines durability with versatility for both industrial and commercial use. It supports advanced security features such as password protection and lockable memory sectors, providing enhanced data integrity and reliability. Whether used for access control, event ticketing, or smart product labeling, this RFID card delivers stable performance, long read range, and dependable data retention, making it a trusted choice for modern NFC-based solutions.

Physical Information	Material	Black Core PVC, White Core PVC, White Core PET (WEEE Directive✓), White Core ABS (WEEE Directive✓), Wooden (WEEE Directive✓)
	Card Size	85.6×54×0.88 mm
	Operating Environment	-20°C~+50°C, 20%~80% RH
	Storage Environment	+18°C~+28°C, 40%~60% RH
	Net Weight	About 5.8 g
	Surface Treatment	Glossy, Matte or Frosted
	Personalized Printing (NA For Wooden Cards)	Thermal Transfer/Dye Sublimation
	Customization Options (NA For Wooden Cards)	Pre-Printing, Barcode Printing, Embossing, Holograms, Signature Panels, UV Printing, Hot Stamping, Punch Holes
	Care Tips	1. Avoid excessive bending 2. Keep away from water 3. Store in cool and dry place
	Cleaning Tips	1. Use a soft, dry cloth 2. Avoid harsh chemicals or abrasive cleaners 3. Remove stains immediately

Technical Information	Operating Frequency	13.56 MHz
	Communication Protocol	ISO/IEC 14443-A, NFC Forum Type 4
	Chip Type	STMicroelectronics® ST25TA02KB
	Data Rate	106 kbps
	NDEF Data Structure	Support
	EEPROM	256 bytes
	UID Memory	7 byte
	Reads In A Single Command	Up to 256 bytes
	Writes In A Single Command	Up to 54 bytes
	Anti-Tearing	20 bit event counter
	Security Features	128 bit password protection

Packaging Information	Packing Format	Single pieces, piece by piece
	Packing Quantity	200 pcs/case, G.W. : 1.26 kg
	Packing Method	1000 pcs or 2000 pcs/carton
	Carton Dimension	1000 pcs: 23×20×17 cm (G.W.: 6.3 KG); 2000 pcs: 48×23×14 cm (G.W.: 12.6 KG).

● **Performance and Illustrations:** Graphs and visuals are for reference only; actual product performance may vary depending on usage and environment.
 ● **Storage and Handling Guidelines:** Follow standard ESD-safe storage and handling procedures to maintain product integrity and avoid damage.
 ● **Product Updates and Revisions:** [rfidbridge.com](https://www.rfidbridge.com) may change products, specs, or services at any time without prior notice.
 ● **General Use Disclaimer:** Products are for general-purpose use and not intended for safety-critical or life-support applications.
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